

Jing Li

List of Publications by Year in descending order

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79
docs citations

79
times ranked

9490
citing authors

#	ARTICLE	IF	CITATIONS
1	High-loading Pt-alloy catalysts for boosted oxygen reduction reaction performance. Chinese Journal of Chemical Engineering, 2022, 48, 30-35.	3.5	5
2	Improved Performance for the Electrochemical Sensing of Acyclovir by Using the rGO@TiO ₂ @Au Nanocomposite-Modified Electrode. Frontiers in Chemistry, 2022, 10, .	3.6	5
3	Intricately structured mesoporous organosilica nanoparticles: synthesis strategies and biomedical applications. Biomaterials Science, 2021, 9, 1609-1626.	5.4	13
4	Chemically synthesized (Ag, Mn ₂ O ₃)-coddecorated ZnO nanoparticles for achieving superior visible light-induced photodegradation and enhanced gas sensing activity. Physical Chemistry Chemical Physics, 2021, 23, 13797-13807.	2.8	6
5	Advanced Atomically Dispersed Metal@Nitrogen@Carbon Catalysts Toward Cathodic Oxygen Reduction in PEM Fuel Cells. Advanced Energy Materials, 2021, 11, 2101222.	19.5	109
6	S, N co-doped carbon nanotube encased Co NPs as efficient bifunctional oxygen electrocatalysts for zinc-air batteries. Chemical Engineering Journal, 2021, 422, 130135.	12.7	54
7	Shell-strengthened hollow architecture of NiCo ₂ S ₄ carved through an in-situ reaction Ostwald Ripening mechanism with significantly enhanced electrochemical performance. Journal of Alloys and Compounds, 2021, 889, 161632.	5.5	12
8	A bimodal-pore strategy for synthesis of Pt ₃ Co/C electrocatalyst toward oxygen reduction reaction. Chemical Communications, 2021, 57, 4327-4330.	4.1	7
9	Improved hydrogen oxidation reaction under alkaline conditions by Au@Pt alloy nanoparticles. Journal of Energy Chemistry, 2020, 40, 52-56.	12.9	25
10	Boosting Hydrogen Evolution Reaction of Nickel Sulfides by Introducing Nonmetallic Dopants. Journal of Physical Chemistry C, 2020, 124, 24223-24231.	3.1	8
11	Enveloping ultrathin Ti ₃ C ₂ nanosheets on carbon fibers: a high-density sulfur loaded lithium-sulfur battery cathode with remarkable cycling stability. Journal of Materials Chemistry A, 2020, 8, 7253-7260.	10.3	44
12	Functional Group Modification of Kraft Lignin for Enhanced Supercapacitors. ChemSusChem, 2020, 13, 2628-2633.	6.8	22
13	ZnCl ₂ salt facilitated preparation of FeNC: Enhancing the content of active species and their exposure for highly-efficient oxygen reduction reaction. Chinese Journal of Catalysis, 2020, 41, 799-806.	14.0	24
14	The Role of Polyaniline Molecular Structure in Producing High-Performance Fe@N Catalysts for Oxygen Reduction Reaction. ChemistrySelect, 2019, 4, 8135-8141.	1.5	8
15	Role of Hydroxyl Species in Hydrogen Oxidation Reaction: A DFT Study. Journal of Physical Chemistry C, 2019, 123, 23931-23939.	3.1	35
16	Novel adsorbents derived from recycled waste polystyrene via cross-linking reaction for enhanced adsorption capacity and separation selectivity of CO ₂ . Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 381-388.	5.3	29
17	Intrinsic effects of strain on low-index surfaces of platinum: roles of the five 5d orbitals. Physical Chemistry Chemical Physics, 2019, 21, 3242-3249.	2.8	23
18	Enhancing Rate Performances of Carbon Based Supercapacitors. ChemistrySelect, 2019, 4, 6827-6832.	1.5	7

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19	Phase control of 2D binary hydroxides nanosheets via controlling-release strategy for enhanced oxygen evolution reaction and supercapacitor performances. <i>Journal of Energy Chemistry</i> , 2019, 38, 26-33.	12.9	30
20	Theoretical research on the oxidation mechanism of doped carbon based catalysts for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26102-26110.	2.8	8
21	Chimney effect of the interface in metal oxide/metal composite catalysts on the hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 122-129.	20.2	132
22	Self-assembly of MoO_3 flower as a highly effective organics adsorbent for water purification. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3307-3317.	3.8	11
23	Synthesis of sea-urchin-like $\text{Fe}_3\text{O}_4/\text{SnO}_2$ heterostructures and its application for environmental remediation by removal of p-chlorophenol. <i>Journal of Materials Science</i> , 2019, 54, 1341-1350.	3.7	22
24	Fast Charge Transfer Confers New Skills on 3D Graphene Sponges: Human Body Induction and Infrared Radiation Induction. <i>ChemNanoMat</i> , 2019, 5, 411-416.	2.8	0
25	Ni@Li ₂ O co-axial nanowire based reticular anode: Tuning electric field distribution for homogeneous lithium deposition. <i>Energy Storage Materials</i> , 2019, 18, 155-164.	18.0	59
26	Modifying the sensibility of nonmetal-doped phosphorene by local or global properties. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4899-4906.	2.8	7
27	Iron/nickel Alloy Nanoparticles Embedded in N-doped Porous Carbon for Robust Oxygen Evolution Reaction. <i>Acta Chimica Sinica</i> , 2019, 77, 84.	1.4	1
28	Quantified mass transfer and superior antiflooding performance of ordered macro-mesoporous electrocatalysts. <i>AIChE Journal</i> , 2018, 64, 2881-2889.	3.6	22
29	Transition-metal-oxide-based catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8194-8209.	10.3	259
30	An unusual low-surface-area nitrogen doped carbon for ultrahigh gravimetric and volumetric capacitances. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8868-8873.	10.3	18
31	Carbon-based catalysts by structural manipulation with iron for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8405-8412.	10.3	38
32	Recent Progress of Carbon-Based Materials in Oxygen Reduction Reaction Catalysis. <i>ChemElectroChem</i> , 2018, 5, 1764-1774.	3.4	66
33	Freestanding and flexible electrode: Heterostructured Ag/C nanofiber network with ultra high conductivity. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2012-2021.	5.5	2
34	Role of non-metallic atoms in enhancing the catalytic activity of nickel-based compounds for hydrogen evolution reaction. <i>Chemical Science</i> , 2018, 9, 1822-1830.	7.4	46
35	Alloys with Pt-skin or Pt-rich surface for electrocatalysis. <i>Current Opinion in Chemical Engineering</i> , 2018, 20, 60-67.	7.8	12
36	A phase-transition-assisted method for the rational synthesis of nitrogen-doped hierarchically porous carbon materials for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 878-883.	10.3	38

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37	Preparation of highly dispersed carbon supported AuPt nanoparticles <i>via</i> a capping agent-free route for efficient methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 104-109.	10.3	30
38	Construction of Soft Base Tongs on Separator to Grasp Polysulfides from Shuttling in Lithium-Sulfur Batteries. <i>Small</i> , 2018, 14, e1804277.	10.0	46
39	Preparation of Hollow Nitrogen Doped Carbon via Stresses Induced Orientation Contraction. <i>Small</i> , 2018, 14, e1804183.	10.0	83
40	High-density active sites porous Fe/N/C electrocatalyst boosting the performance of proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2018, 401, 287-295.	7.8	44
41	Modulating the oxygen reduction activity of heteroatom-doped carbon catalysts <i>via</i> the triple effect: charge, spin density and ligand effect. <i>Chemical Science</i> , 2018, 9, 5795-5804.	7.4	121
42	Co ₉ S ₈ @N,S-codoped carbon core-shell structured nanowires: constructing a fluffy surface for high-density active sites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14752-14760.	10.3	19
43	N-doped and Fe-, N-codoped carbon: tuning of porous structures for highly efficient oxygen reduction reaction. <i>Journal of Materials Science</i> , 2018, 53, 15246-15256.	3.7	12
44	A eutectic salt-assisted semi-closed pyrolysis route to fabricate high-density active-site hierarchically porous Fe/N/C catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15504-15509.	10.3	98
45	Understanding the Roles of Nitrogen Configurations in Hydrogen Evolution: Trace Atomic Cobalt Boosts the Activity of Planar Nitrogen-Doped Graphene. <i>ACS Energy Letters</i> , 2018, 3, 1345-1352.	17.4	65
46	Improving the separation performance of the forward osmosis membrane based on the etched microstructure of the supporting layer. <i>Desalination</i> , 2017, 408, 102-109.	8.2	51
47	Transforming waste expanded polystyrene foam into hyper-crosslinked polymers for carbon dioxide capture and separation. <i>Chemical Engineering Journal</i> , 2017, 323, 557-564.	12.7	71
48	3D hierarchical Co ₃ O ₄ : Controlled preparation of coral-/urchin-like structures and application in photo-catalytic degradation. <i>Journal of Alloys and Compounds</i> , 2017, 720, 437-444.	5.5	15
49	A novel TFC-type FO membrane with inserted sublayer of carbon nanotube networks exhibiting the improved separation performance. <i>Desalination</i> , 2017, 413, 176-183.	8.2	57
50	Dual-porosity Mn ₂ O ₃ cubes for highly efficient dye adsorption. <i>Journal of Hazardous Materials</i> , 2017, 333, 222-231.	12.4	57
51	Nano-gold plasmon coupled with dual-function quercetin for enhanced photoelectrochemical aptasensor of tetracycline. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 1027-1033.	7.8	38
52	Graphitized carbon-coated vanadium carbide nanoboscages modified by nickel with enhanced electrocatalytic activity for hydrogen evolution in both acid and alkaline solutions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23028-23034.	10.3	65
53	Influence of Phosphorus Configuration on Electronic Structure and Oxygen Reduction Reactions of Phosphorus-Doped Graphene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19321-19328.	3.1	86
54	Biaxially strained PtPb/Pt core/shell nanoplate boosts oxygen reduction catalysis. <i>Science</i> , 2016, 354, 1410-1414.	12.6	1,262

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55	The effect of copper species in copper-ceria catalysts: structure evolution and enhanced performance in CO oxidation. RSC Advances, 2016, 6, 46966-46971.	3.6	12
56	Preparation of MgO nanomaterials by microemulsion-based oil/water interface precipitation. Materials Letters, 2016, 171, 204-207.	2.6	29
57	Noble-metal-free Co ₃ S ₄ S/G porous hybrids as an efficient electrocatalyst for oxygen reduction reaction. Chemical Science, 2016, 7, 4167-4173.	7.4	98
58	Construction of hierarchical MgAl ₂ O ₄ spinel as catalytic supports. Materials Letters, 2015, 159, 204-206.	2.6	17
59	Assembly of TiO ₂ @Cu ₂ O Nanocubes with Narrow Band Cu ₂ O Induced Visible Light Enhanced Photocatalytic Activity. ChemPlusChem, 2014, 79, 298-303.	2.8	12
60	One-pot controllable synthesis of flower-like CoFe ₂ O ₄ /FeOOH nanocomposites for high-performance supercapacitors. Materials Letters, 2014, 123, 229-234.	2.6	47
61	Rational design of hierarchically porous birnessite-type manganese dioxides nanosheets on different one-dimensional titania-based nanowires for high performance supercapacitors. Journal of Power Sources, 2014, 270, 675-683.	7.8	54
62	Monodisperse Core/Shell Ni/FePt Nanoparticles and Their Conversion to Ni/Pt to Catalyze Oxygen Reduction. Journal of the American Chemical Society, 2014, 136, 15921-15924.	13.7	165
63	pH-Dependent Degradation of Methylene Blue via Rational-Designed MnO ₂ Nanosheet-Decorated Diatomites. Industrial & Engineering Chemistry Research, 2014, 53, 6966-6977.	3.7	65
64	High {001} facets dominated BiOBr lamellas: facile hydrolysis preparation and selective visible-light photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 8622.	10.3	312
65	One-pot preparation and enhanced photocatalytic and electrocatalytic activities of ultralarge Ag/ZnO hollow coupled structures. CrystEngComm, 2012, 14, 6738.	2.6	21
66	Magnetic spherical cores partly coated with periodic mesoporous organosilica single crystals. Nanoscale, 2012, 4, 1647.	5.6	27
67	TiO ₂ Thin Films Prepared via Adsorptive Self-Assembly for Self-Cleaning Applications. ACS Applied Materials & Interfaces, 2012, 4, 1093-1102.	8.0	92
68	Synthesis of graphene oxide/polypyrrole nanowire composites for supercapacitors. Materials Letters, 2012, 78, 106-109.	2.6	68
69	Synthesis of ordered mesoporous MgO/carbon composites by a one-pot assembly of amphiphilic triblock copolymers. Journal of Materials Chemistry, 2011, 21, 795-800.	6.7	64
70	Construction of TiO ₂ Hierarchical Nanostructures from Nanocrystals and Their Photocatalytic Properties. ACS Applied Materials & Interfaces, 2011, 3, 3448-3453.	8.0	95
71	High-resolution electron microscopy study of mesoporous dichalcogenides and their hydrogen storage properties. Nanotechnology, 2011, 22, 075702.	2.6	4
72	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. Journal of Materials Chemistry, 2010, 20, 6460.	6.7	22

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73	Shape, Size, and Phase-Controlled Rare-Earth Fluoride Nanocrystals with Optical Up-Conversion Properties. <i>Chemistry - A European Journal</i> , 2009, 15, 11010-11019.	3.3	195
74	Preparation of Nanocomposites of Metals, Metal Oxides, and Carbon Nanotubes via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2007, 129, 9401-9409.	13.7	353
75	Hollowing Sn-Doped TiO ₂ Nanospheres via Ostwald Ripening. <i>Journal of the American Chemical Society</i> , 2007, 129, 15839-15847.	13.7	527
76	Preparation of Monodisperse Au/TiO ₂ Nanocatalysts via Self-Assembly. <i>Chemistry of Materials</i> , 2006, 18, 4270-4277.	6.7	134
77	Size Tuning, Functionalization, and Reactivation of Au in TiO ₂ Nanoreactors. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4342-4345.	13.8	237
78	Size Tuning, Functionalization, and Reactivation of Au in TiO ₂ Nanoreactors.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
79	The catalysis of (de)lithiation in a nerve-cell-like anode of Li-ion battery. <i>Journal of Materials Chemistry A</i> , 0, , .	10.3	1